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2c. ⊠ 2d. □ Attorney Docket No. 1806.1005

ED STATES PATENT AND TRADEMARK OFFICE

In re Pa	tent Applica	tion of:			
Akira N	AKABAYAS	HI et al.			
Application No.: 10/516,348			Group Art Unit: Unassigned		
Filed: December 1, 2004			Examiner: Unassigned		
For:	PHOTOCAT	ALYST COMPOSITION			
		INFORMATION DISCLOS	SURE STATEMENT		
PO Box Alexand	ssioner for F 1450 Iria, VA 223				
Sir:					
provided the subj	d certain info ject U.S. pat	ormation which the Examiner m	ovisions of 37 CFR § 1.56, there is hereby ay consider material to the examination of that the Examiner make this information of the subject application.		
1. Enclosures accompanying this Information Disclosure Statement are:					
	1a. ⊠ 1b. ⊠ 1c. ⊠ 1d. □	Application publications. English language copy of a co or a PCT International Search English language translation (complete, Abstract or relevant portion(s))		
	1e. 🛚	Form PTO-1449.	References (ATTACHMENT 1(e), hereto) for non-English publications.		
	1f. [] 1g. []	List of Copending Applications			
2. 🛛	This Infor	mation Disclosure Statement is			
		(Check either Item 2	a or 2b or 2c or 2d)		
	2a.		g date of a national application; e of entry of the national stage as set forth in		

§ 1.491 in an international application.

Before the mailing of a first Office Action on the merits; or

Before the mailing of a first Office Action after the filing of a Request for

Continued Examination under § 1.114.

Serial No.: 10/516,348

3.	This Information Disclosure Statement is filed under 37 CFR § 1.97(c) after the period specified in paragraph 2 above but before the mailing date of any of a Final Office Action under § 1.113, a Notice of Allowance under § 1.311 or an action that otherwise closes prosecution in the application, AND					
		(Check either Item 3a or 3b; Item 3b to be checked if any reference known for more than 3 months)				
	3a. 🗌	The § 1.97(e) Statement in Item 5 below is applicable; OR				
	3b. 🗌	The \$180.00 fee set forth in 37 CFR § 1.17(p) is: ———————————————————————————————————				
		to be charged to Deposit Account No. 19-3935.				
4.	This Infor specified 4a.	mation Disclosure Statement is filed under 37 CFR § 1.97(d) after the period in paragraph 3 above, but on or before payment of the Issue Fee, AND The § 1.97(e) Statement in Item 5 below is applicable; AND The \$180.00 fee set forth in 37 CFR § 1.17(p) is: enclosed.				
		to be charged to Deposit Account No. 19-3935.				
5. 🗌	Statemen	t under § 1.97(e) (applicable if Item 3a or Item 4a is checked)				
		(Check either Item 5a or 5b)				
	5a. []	In accordance with 37 CFR § 1.97(e)(1), it is stated that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.				
	5b. 🗌	In accordance with 37 CFR § 1.97(e)(2), it is stated that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known by any individual designated in § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.				
6.	This is a (continuation/divisional/continuation-in-part application under 37 CFR §				
	1.00(5).	(Check appropriate Items 6a and/or 6b)				
	6a. 🗌	Copies of the publications listed on the attached Form PTO-1449 which were previously cited in prior application Serial No, filed on, and which is relied on for an earlier effective filing date for the subject application under 35 U.S.C. § 120, have been omitted pursuant to 37 CFR				
	6b. 🗌	§ 1.98(d). Copies of the publications listed on the attached Form PTO-1449 which were not previously cited in prior application Serial No, filed on, and which is relied on for an earlier effective filing date for the subject application under 35 U.S.C. § 120, are provided herewith.				

Serial No.: 10/516,348

7.		This is a Request for Continued Examination under 37 CFR § 1.114.						
		(Check either Item 7a or 7b)						
		7a. 7b.		The Issue Fee has not been paid. A Petition to Withdraw from issue under 37 CFR § 1.313(c) is filed concurrently herewith or has been granted. A Request for Continued Examination under 37 CFR § 1.114, after payment of the Issue Fee, is proper in accordance with 37 CFR § 1.114(a), respectively.				
8.		This	s is a	Supplemental Information Disclosure Statement.				
				(Check either Item 8a or 8b)				
		8a.		This Supplemental Information Disclosure Statement under 37 CFR § 1.97(f) supplements the Information Disclosure Statement filed on A bona fide attempt was made to comply with 37 CFR § 1.98, but inadvertent omissions were made. These omissions have been corrected herein. Accordingly, additional time is requested so that this Supplemental IDS can be considered as if properly filed on				
		8b.		This Supplemental Information Disclosure Statement is timely filed within one (1) month of the Notice under 37 CFR §§ 1.97 and 1.98, mailed				
9.				nce with 37 CFR § 1.98, a concise explanation of what is presently to be the relevance of each non-English language publication is:				
				(Check appropriate Items 9a, 9b, 9c and/or 9d)				
				satisfied for the non-English language publication(s) cited on the enclosed "English language version of the search report or action which indicates the degree of relevance found by the foreign office". (See MPEP § 609, Minimum Requirements for an Information Disclosure Statement, Part A(3): Concise Explanation of Relevance, 8th Ed., Rev. 2)				
			\boxtimes	set forth in the application. satisfied for the non-English language publication(s) indicated on the attached Form PTO-1449 as having an English language translation (complete or relevant portion(s)) attached thereto.				
		9d.		enclosed as Attachment 1(e), hereto.				
10.	be th	e, ma an s	aterial earch	on is made that the information cited in this Statement is, or is considered to to patentability nor a representation that a search has been made (other report(s) from a counterpart foreign application or a PCT International ort, if submitted herewith). 37 CFR §§ 1.97(g) and (h).				

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11. The Commissioner is authorized to credit any overpayment or charge any additional fee required under 37 CFR § 1.17 for this Information Disclosure Statement to Deposit Account No. 19-3935.

Respectfully submitted,

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MEMORANDOM ON INFORMATION DISCLOSURE STATEMENT

- AD (1) Unexamined Japanese Patent Application Laid-Open Specification No. Sho 60-044053
- AE (2) Unexamined Japanese Patent Application Laid-Open Specification No. Sho 60-118236
- AA (3) U.S. Patent No. 5,595,813
- AB (4) U.S. Patent No. 5,547,823
- $_{
 m AF}$ (5) Unexamined Japanese Patent Application Laid-Open Specification No. Hei 9-100437
- AG (6) Unexamined Japanese Patent Application Laid-Open Specification No. Hei 9-314052
- AH (7) EP No. 1 136 125 A1
- AI (8) Unexamined Japanese Patent Application Laid-Open Specification No. Hei 9-227831
- AJ (9) Unexamined Japanese Patent Application Laid-Open Specification No. 2001-64583
- AK (10) Unexamined Japanese Patent Application Laid-Open Specification No. Sho 62-260717
- AC (11) U.S. Patent No. 6,013,372
- $_{
 m AL}$ (12) Unexamined Japanese Patent Application Laid-Open Specification No. Hei 8-103488
- AM (13) Unexamined Japanese Patent Application Laid-Open Specification No. 2002-273233
- AN (14) Unexamined Japanese Patent Application Laid-Open Specifi-

cation No. 2002-282700

A0 (15) Unexamined Japanese Patent Application Laid-Open Specification No. 2003-275597

- 2 -

Reference (1) is described at page 4, line 24 to page 5, line 1 of the present specification.

Reference (2) is described at page 5, lines 22-23 of the present specification.

Reference (3) is described at page 6, lines 17-18 of the present invention.

Reference (4) is described at page 7, lines 8-9 of the present invention.

Reference (5) is described at page 7, lines 7-9 of the present invention.

Reference (6) is described at page 7, line 25 to page 8, line 1 of the present invention.

Reference (7) is described at page 9, line 21-22 of the present invention.

Reference (8) is described at page 10, line 21-22 of the present invention.

Reference (9) is described at page 11, line 20-21 of the present invention.

References (6) and (7) were cited in the International Search Report issued in connection with PCT/JP02/05432. An English translation of the International Search Report is attached hereto.

References (1), (2), (5), (6), (8) to (10) and (12) to (15) are Japanese patent documents, and English abstracts of references (1), (2), (5), (6), (8) to (10) and (12) to (15) are

attached thereto.



FORM PTO-1449

S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO.

FIRST NAMED INVENTOR

Sheet 1 of 1 APPLICATION NO.

1806.1005

10/516,348

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Akira NAKABAYASHI et al.

FILING DATE

GROUP ART UNIT

December 1, 2004

Unassigned

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA	5,595,813	01/21/97	Ogawa et al.			
	AB	5,547,823	08/20/96	Murasawa et al.			
	AC	6,013,372	01/11/00	Hayakawa et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	TRANSLATION YES NO	ABSTRACT
AD	60-044053	03/08/85	Japan	X	
AE	60-118236	06/25/85	Japan	_ X	
AF	09-100437	04/15/97	Japan	X	
AG	09-314052	12/09/97	Japan	X	
AH	1 136 125	09/26/01	Europe		
Al	09-227831	09/02/97	Japan	X	
AJ	2001-064583	03/13/01	Japan	X	
AK	62-260717	11/13/87	Japan	X	
AL	08-103488	04/23/96	Japan	X	
AM	2002-273233	09/24/02	Japan	×	
AN	2002-282700	10/02/02	Japan	X	
AO	2003-275597	09/30/03	Japan	X	

EXAMINER	DATE CONSIDERED		
	dered, whether or not citation is in conformance with MPEP 609. Draw line through		

citation if not in conformance and not considered. Include copy of this form with next communication to applicant.